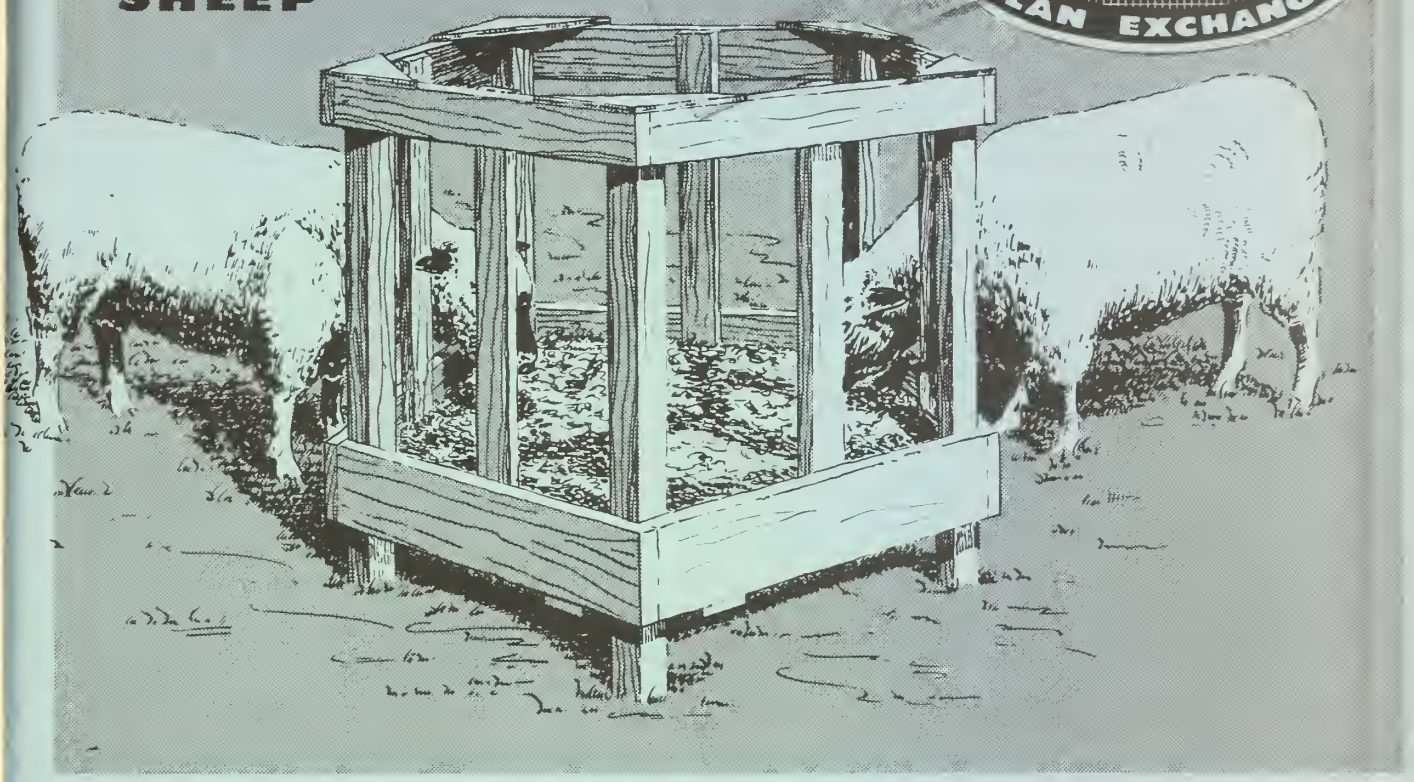
Hay and Grain FEEDER ... FOR TEN SHEEP

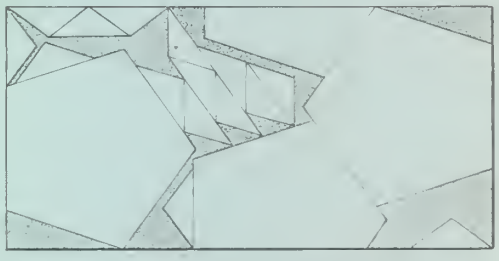
COOPERATIVE FARM BUILDING
Plan No. 5910
(1-SHEET)
PLAN EXCHANGE



This 5-sided hay and grain feeder prevents crowding and, although movable, it cannot be easily overturned. It is also suitable for feeding silage.

Since sheep like clean feed racks, the bottom is made of smooth material such as tempered hardboard or exterior plywood. The suggested cutting diagram at the right shows how the bottoms and the top gusset braces for three feeders may be cut from one 4- by 8-foot piece of sheet material. By splicing one bottom piece over one of the 1- by 3-inch cleats beneath the bottom, the pieces can be cut with little waste. The spliced bottom is laid out so the splice falls on the manufactured edge of the sheet. This gives a good fitting joint.

The lumber in the feeder should be treated with pentachlorophenol or copper naphthenate. Although pressure treatment of wood gives the longest life, generous brush treatment with particular attention to the end grain is well worth the cost of time and material required for treatment.



CUTTING PATTERN
(4 x 8 SHEETING)

A large-scale working drawing may be obtained through your county agent or from the Extension agricultural engineer at most State agricultural colleges. There is usually a small charge.

ORDER PLAN NO. 5910—HAY AND GRAIN FEEDER FOR TEN SHEEP

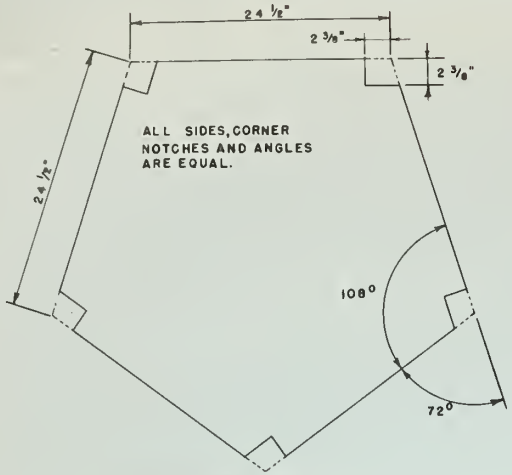
If working drawings of this plan are not available in your State, write to the U.S. Department of Agriculture, Agricultural Engineering Research Division, Plant Industry Station, Beltsville, Md. The U.S. Department of Agriculture does not distribute drawings, but will direct you to a State that does distribute them.

WASHINGTON, D.C. ISSUED AUGUST 1961

UNITED STATES DEPARTMENT OF AGRICULTURE Miscellaneous Publication No. 865

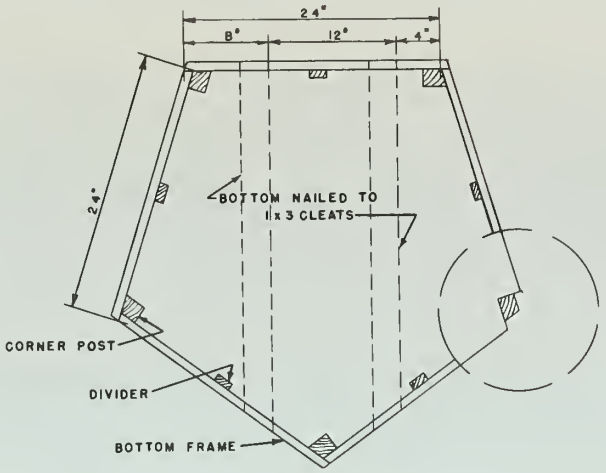
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington 25, D.C. — Price 5 cents

U.S. GOVERNMENT PRINTING OFFICE 1961 O—600045



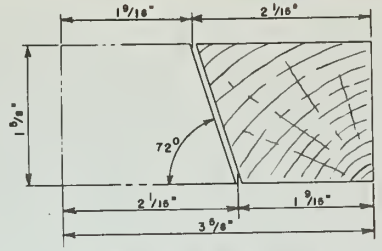
BOTTOM PANEL

1/4" TEMPERED HARDBOARD OR 3/8" EXTERIOR GRADE PLYWOOD



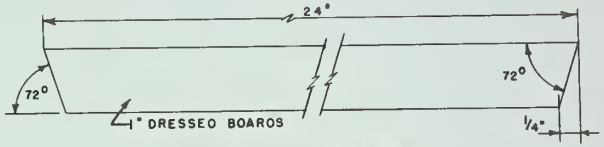
PLAN VIEW

TO SHOW ASSEMBLY



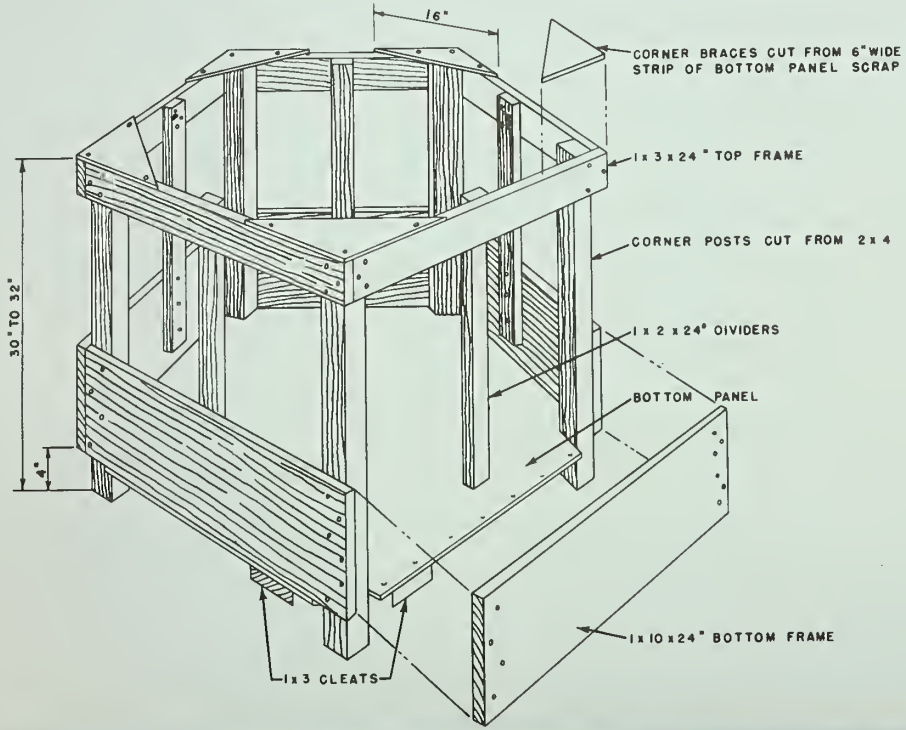
CORNER POST DETAIL

RIP FROM DRESSED 2 x 4



FRAME BOARD DETAIL

SHOWING BEVEL END-CUT



LIST OF MATERIALS

CORNER POSTS	ONE	2 x 4 x 8'-0"
BOTTOM FRAME	ONE	1 x 10 x 8'-0"
TOP FRAME AND BOTTOM CLEATS	ONE	1 x 3 x 14'-0"
DIVIDERS	ONE	1 x 2 x 10'-0"
BOTTOM PANEL AND CORNER BRACES	ONE	40" x 48"
NAILS (RING OR SCREW SHANK) BOX GALV		4d & 6d 1½"

NOTES:

FOR SMALL EWES OR LAMBS SUBSTITUTE 1 x 6 DIVIDERS AND 1 x 8 BOTTOM FRAME BOARDS.

TREAT WOOD PARTS WITH COPPER NAPTHANATE OR PENTACHLOROPHENOL.

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS

AND UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

HAY & GRAIN FEEDER

FOR 10 SHEEP

USDA '60 | EX. 5910 | SHEET 1 OF 1